BRUHATH BENGALURU MAHANAGARA PALIKE

PROJECT MANAGEMENT CONSULTANCY REPORT

Name of Work: Improvements to roads and drains at Nanjappa layout in Ward No.10 Doddabommasandra Vidyaranyapura Sub Division, BBMP, Bangalore.

Civil Aim Consultants & Engineers

(Buildings Geo-Test & Highway Materials Testing Laboratory)

An ISO 9001:2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

No.01, Satvika Nilaya,Opp.Widia Poorna Prajna School,Ramaiah Layout Nagasandra Bengaluru -560073.

Name of Work : Improvements to Roads and Drains at Nanjappa Layout in ward No.10, Doddabommasandra Vidyaranyapura Sub Division

Name of Client	:	**Executive Engineer,** Byatarayanapura Division, BBMP, Bangalore.
Contractor/Agency	:	**Sri Channakeshawa Enterprises, Prop, Kiran Gowda D,** Bangalore.
Total Cost	:	Rs. 25.00 Lakhs
Date of Inspection	:	17.06.2021
Status of Bill	:	1st and Final Bill
In the Presence of	:	(a) **Assistant Engineer (ward No.10),** BBMP, Bangalore.
	:	(b) **Mr. Yashas,** Engineer
		M/s. Civil Aim Consultants & Engineering, Bangalore

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Sl.No	Description of the Item		Comments / observations
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work,	:	Work done up to the billed quantity and Quality is satisfactory
2	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface	:	Work done up to the billed quantity and Quality is satisfactory
3	Removing and refixing stone slabs of drains and pointing in CM (1:3)	:	Work done up to the billed quantity and Quality is satisfactory
4	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed machine mixed concrete	:	Work done up to the billed quantity and Quality is satisfactory

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Sl.No	Description of the Item		Comments / observations
5	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15	:	Work done up to the billed quantity and Quality is satisfactory
6	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite	:	Work done up to the billed quantity and Quality is satisfactory
7	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design	:	Work done up to the billed quantity and Quality is satisfactory
8	Providing and fixing Precast cover slab Made out of CC 1:2:4 with 10cm thick and finishing cutting, including form work, curing,including cost of all materials, Labour, Hire Charges of machinery, loading unloading leaad and lift	:	Work done up to the billed quantity and Quality is satisfactory
9	Providing and fixing Precast cover slab 250mm thick Made out of CC 1:2:4 and jelly 20mm Down Size with steel reinforcement including form work, curing,including cost of all materials, Labour, Hire Charges of machinery, loading unloading leaad and lift	:	Work done up to the billed quantity and Quality is satisfactory
10	Excavation for road work in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes in accordance with	:	Work done up to the billed quantity and Quality is satisfactory
11	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet	:	Work done up to the billed quantity and Quality is satisfactory

Sl.No	Description of the Item		Comments / observations
12	KSRRB 500-1. Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire brushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous	:	Work done up to the billed quantity and Quality is satisfactory
13	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means	:	Work done up to the billed quantity and Quality is satisfactory
14	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth	:	Work done up to the billed quantity and Quality is satisfactory
15	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive	:	Work done up to the billed quantity and Quality is satisfactory
16	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour	:	Work done up to the billed quantity and Quality is satisfactory
17	KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a	:	Work done up to the billed quantity and Quality is satisfactory

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Sl.No	Description of the Item		Comments / observations
18	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5	:	Work done up to the billed quantity and Quality is satisfactory
19	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials	:	Work done up to the billed quantity and Quality is satisfactory
20	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse	:	Work done up to the billed quantity and Quality is satisfactory

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For CIVIL AIM CONSULTANTS & ENGINEERS

Prajwal

Authorised Signatory

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